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L5: Entry 3 of 10 File: JPAB Feb 6, 1992

PUB-NO: JP404036180A
DOCUMENT-IDENTIFIER: JP 04036180 A
TITLE: ENHANCEMENT OF PRODUCTIVITY OF PROLIFERATIVE AND ANTIFUNGAL SUBSTANCE FOR LACTIC BACTERIA

PUBN-DATE: February 6, 1992

INVENTOR-INFORMATION:
NAME COUNTRY
KANEKO, TSUTOMU
MORI, HIROHARU
SUZUKI, HIDEKI

ASSIGNEE-INFORMATION:
NAME COUNTRY
MEIJI MILK PROD CO LTD

APPL-NO: JP02141976
APPL-DATE: May 31, 1990

US-CL-CURRENT: 435/170
INT-CL (IPC): C12N 1/20; C12N 1/38; C12P 1/04

ABSTRACT:

PURPOSE: To enhance the productivity of the title substance by aerobically incubating lactic bacteria in a medium containing iron porphyrin, hemoprotein, etc., and a saccharide source.

CONSTITUTION: Lactic bacteria (pref. such bacteria belonging to Lactococcus sp. having diacetyl productivity) is aerobically incubated in a medium containing at least one kind of substance selected from iron porphyrin, hemoprotein and iron porphyrin-contg. tissue or blood and a saccharide source such as glucose and, if needed, at least one kind of metal inorganic or organic salt of iron, copper or molybdenum.

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L12: Entry 29 of 41 File: JPAB Nov 19, 1991

PUB-NO: JP403259095A
DOCUMENT-IDENTIFIER: JP 03259095 A
TITLE: MEDIUM TO BE USED IN DETERMINATION OF VIABLE NUMBER OF BIFIDOBACTERIUM CELLS AND DETERMINATION THEREWITH

PUBN-DATE: November 19, 1991

INVENTOR-INFORMATION:
NAME COUNTRY
OKAZAKI, ZENZO
SATO, TOMOMI
UEMITSU, NOBUO

ASSIGNEE-INFORMATION:
NAME COUNTRY
ASAHI BREWERIES LTD

APPL-NO: JP02055699
APPL-DATE: March 7, 1990

US-CL-CURRENT: 435/39
INT-CL (IPC): C12Q 1/06

ABSTRACT:

PURPOSE: To easily and stably obtain the subject medium by adding Streptococcus faecalis (SCF) to agar medium components containing a carbon source substrate suitable for the culture of Bifidobacterium (BFB).

CONSTITUTION: A selective medium is prepared by adding 1-2g/l of lyophilized powder of SCF (108 to 1010 colony-forming unit/g) to a BL medium (Blood Liver Agar) having pH of 6.8-7.2 and containing 5-10g/l of a carbon source substrate such as fructooligosaccharide or soybean oligosaccharide, 10-20g/l of a nitrogen source and 2-5g/l of inorganic matters. A specimen such as food, drug or feed is added to the selective medium and anaerobically cultured at about 37°C for 2-3 days to form colonies characteristic to BFB strain. The number of living cells of Bifidobacterium can be determined by counting the number of colonies.